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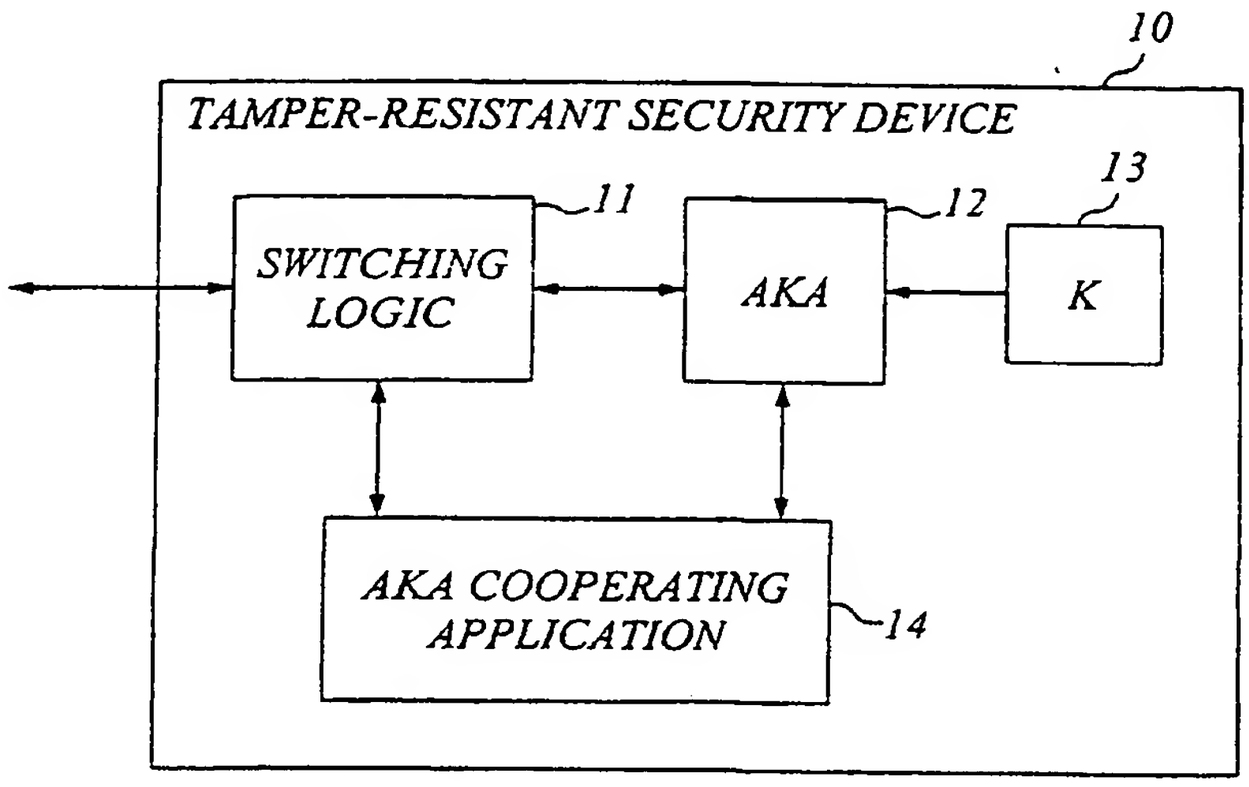
(54) Title: SECURITY AND PRIVACY ENHANCEMENTS FOR SECURITY DEVICES




(57) Abstract: The invention generally relates to a tamper-resistant security device, such as a subscriber identity module or equivalent, which has an AKA (Authentication and Key Agreement) module for performing an AKA process with a security key stored in the device, as well as means for external communication. The idea according to the invention is to provide the tamper-resistant security device with an application adapted for cooperating with the AKA module and means for interfacing the AKA module and the application. The application cooperating with the AKA module is preferably a security and/or privacy enhancing application. The application is advantageously a software application implemented in an application environment of the security device. For increased security, the security device may also be adapted to detect whether it is operated in its normal secure environment or a foreign less secure environment, and set access rights to resident files or commands that could expose the AKA process or corresponding parameters accordingly.

WO 2004/032557 A1

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